

Panasonic®

POWER THE EXPERIENCE™



Battery Catalog 2019/2020

A LEADING GLOBAL BATTERY MANUFACTURER

For over 90 years, Panasonic has been creating powerful, energy efficient, quality battery products.

From next generation lithium-ion batteries for electric vehicles to robust battery power for space exploration; from pin type lithium batteries for wearable technology to sustainable solar storage systems, Panasonic is delivering solutions to meet the technology needs of tomorrow.

220
BILLION
DRY BATTERIES
SOLD IN
130
COUNTRIES¹

OVER
483
MILLION

RECHARGEABLE
BATTERIES
SHIPPED
GLOBALLY²

5th
BEST
GLOBAL
GREEN
BRAND³



76th
BEST
GLOBAL
BRAND⁴



1931

Started battery production in Osaka

National Storage Battery Co., Ltd and Matsushita Dry Battery Co., Ltd. established

1935



1937

Automotive lead-acid batteries released

National Hyper, Japan's first fully metal jacket dry battery produced

1954

1967

Produced alkaline batteries

Developed lithium primary batteries

1971



1987

Launched Ultra Alkaline and Panasonic Alkaline batteries

Developed Ni-MH batteries

1989



1991

Launched mercury-free carbon zinc batteries

Launched mercury-free alkaline batteries

1992



1994

Started production of cylindrical lithium-ion batteries

TURER

Panasonic®

92nd WORLD'S MOST VALUABLE BRAND⁵



YOU CAN
RECHARGE
eneloop
BATTERIES
UP TO
2100
TIMES⁶



PANASONIC
HAS BEEN
A MEMBER OF
call2recycle®
FOR OVER
20
YEARS



PANASONIC
PARTNERED WITH
**SONY &
MARVEL
STUDIO**
IN 2017 FOR



OHSAS
18001:2007,
ISO
9001:2015
and
ISO
14001:2015
CERTIFIED



Began production
of HIT®
photovoltaic
modules
1997



2004
Started mass
production of
Ford Escape Hybrid
battery systems

eneloop
Ni-MH batteries
are launched
2005



2008
Evolta certified
by Guinness World
Book of Records
as world's No.1 longest
lasting alkaline



Developed
multi-purpose
lithium-ion
battery modules
2009



2010
Started
mass
production of
lithium-ion
batteries
for HEV



Panasonic & Tesla
Motors signed an
agreement to
build a Gigafactory
in Reno, Nevada
2014

2015
In the USA,
10 for 10
campaign
celebrates
eneloop's
10th anniversary

Panasonic Energy
Corporation of
America launches
Platinum Power
AA and AAA
batteries with
Evolta technology
2016

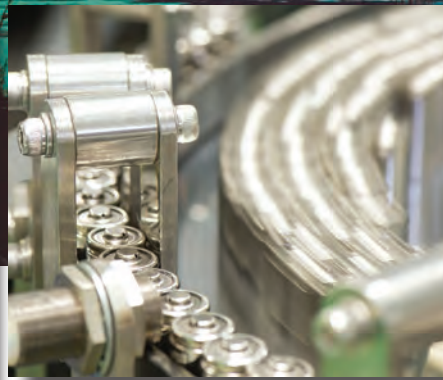


2017
0% lead,
mercury or
cadmium added
to SHD Power
batteries

Panasonic celebrates
100 years of
innovation, continually
improving the quality
of life to customers
around the world.
2018



POWER THE EXPERIENCE

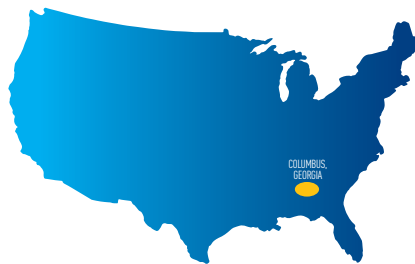


PANASONIC ENERGY CORPORATION OF AMERICA

The US headquarters for Panasonic batteries, Panasonic Energy Corporation of America (PECA), is nestled in the heart of the Chattahoochee Valley in the historical city of Columbus, Georgia.

Rooted in Muscogee county, the Panasonic hub of battery know-how consists of three state-of-the-art battery facilities. The Sales and Marketing group uses packaging flexibility and design expertise to provide market and customer focused solutions for a variety of battery goods. The Lithium Battery Division, a 24/7 operation, is the only manufacturer of CR123A primary lithium cells in North America. The Materials Division, a department of the Lithium Battery Division, has a dual-role as a manufacturer of battery cans to sister Panasonic companies worldwide and as the manufacturer of battery cans and battery internal components to the Lithium Battery Division.

Using stringent controls and advanced production techniques, Panasonic factories produce batteries to the highest quality and performance standards. Since 1931, Panasonic has been the trusted brand of choice for people around the globe.



In North America, our extensive product portfolio provides powerful solutions for a wide range of devices. Our feature brands are eneloop, eneloop pro, Platinum Power, Alkaline Plus Power, Industrial Alkaline, Lithium and Super Heavy Duty Power.

Today's market is fluid, ever changing and customer focused. To address customers' various requirements, PECA provides localization as well as industry and consumer centered solutions. Our packaging adaptability and style proficiency allow us to rapidly create tailor-made solutions. Excellence is at the heart of our business, with quality, performance, safety and reliability as the key foundations.

Whether it is a unique pack, display or customized marketing material, Panasonic's team will deliver the right product to fully satisfy customers' standards and expectations. With the perfect combination of power and performance for indoor and outdoor environments in devices big and small, Panasonic wants to power your experience.

CE™



LITHIUM



eneloop™



eneloop pro™



PLATINUM POWER



ALKALINE PLUS POWER®



INDUSTRIAL



SUPER HEAVY DUTY POWER

LITHIUM BATTERIES

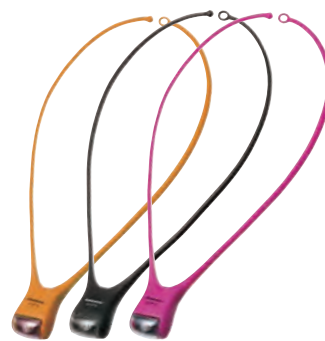
RECHARGEABLE Ni-MH BATTERIES

ALKALINE BATTERIES

CARBON ZINC BATTERIES



PACKAGING SOLUTIONS



ACCESSORIES

PANASONIC Ni-MH BATTERY CHARGERS



Panasonic Ni-MH battery chargers are built to high technical standards and share advanced technology features.

Both CC55 and CC17 chargers have individual charging capability. Panasonic CC55 and CC17 chargers can easily and efficiently charge 1 to 4 batteries. By charging the batteries individually, they will not over or undercharge them. If one battery completes the charging process before the others, the LED light will turn off to indicate the battery is ready to use.

Panasonic chargers are ideal for use at home, in the office, or on the road. They accept input voltages ranging from 100 to 240V, 50/60Hz for convenient, and safe use domestically and internationally.



PANASONIC CC87 CHARGER



PANASONIC CC55 CHARGER

BATTERY CHARGING CAPABILITY	Individual; From 1-4 Batteries	Individual; From 1-4 Batteries
LED LIGHTS	4 LED w/Charge Fuel Gauge*	4 LED w/Charge Fuel Gauge*
CHARGING TIME AA (2000mAh)	AA4: 4.5h • AA2: 2.5h	AA4: 3h • AA2: 1.5h
CHARGING TIME AA (2550mAh)	AA4: 6h • AA2: 3h	AA4: 4h • AA2: 2h
CHARGING TIME AAA (800mAh)	AAA4: 3.5h • AAA2: 2h	AAA4: 2h • AAA2: 1h
CHARGING TIME AAA (950mAh)	AAA4: 4h • AAA2: 2h	AAA4: 3h • AAA2: 1.5h
USB PASS THRU CHARGING*	Yes	No
USB CHARGING BOOST**	Yes	No
A/C PLUG TYPE	USB Cord (included)	Retractable
SAFETY TECHNOLOGY	Short Circuit & Input Voltage Detection/Auto Shut Off	Short Circuit & Input Voltage Detection/Auto Shut Off
AUTO SHUT OFF	Yes	Yes
CHARGING TECHNOLOGY	Smart Charge, Peak Sensing Cut-Off Function, Automatically Cut Off When Fully Charged	Smart Charge, Peak Sensing Cut-Off Function, Automatically Cut Off When Fully Charged
VOLTAGE	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz
SAFETY STANDARDS	ETL Certified	ETL Certified
MEASUREMENTS	2.60" x 3.35" x 1.12"	4.79" x 2.65" x 1.13"

PANASONIC CC55 & CC87 CHARGER ADVANCED FEATURES

INDIVIDUAL CHARGE 1, 2, 3 OR 4 ENELOOP BATTERIES AT A TIME

These advanced AC chargers are designed to charge battery cells individually; allowing you the freedom to completely charge fully discharged cells or just "top off" the charge of AA or AAA cells that are only partially drained. The single cell charge capability allows any combination of one, two, three or four AA or AAA Ni-MH batteries to be charged at the same time.



Color indicates percentage of fuel gauge charge:
Red - 0-20% • Orange - 20-80% • Green - 80+%



PANASONIC CC75 CHARGER

Individual; From 1-4 Batteries
4 LED
AA4: 7h
AA4: 9h
AAA4: 6h
AAA4: 7h
Yes
No
Retractable
Short Circuit & Input Voltage Detection/Auto Shut Off
Yes
Negative Delta V (-ΔV) Cut-Off Function, Automatically Cut Off When Fully Charged
AC 100-240V 50/60Hz
ETL Certified
4.72" x 2.69" x 1.10"



PANASONIC CC17 CHARGER

Individual; From 1-4 Batteries
4 LED
AA4: 7h
AA4: 9h
AAA4: 6h
AAA4: 7h
No
No
Retractable
Short Circuit & Input Voltage Detection/Auto Shut Off
Yes
Negative Delta V (-ΔV) Cut-Off Function, Automatically Cut Off When Fully Charged
AC 100-240V 50/60Hz
ETL Certified
4.13" x 2.56" x 1.13"

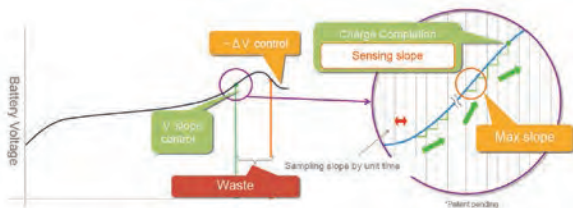


PANASONIC CC50 CHARGER

Individual; From 1-4 Batteries
2 LED
AA2: 10h
AA2: 12h
AAA2: 10h
AAA2: 12h
No
No
Retractable
Short Circuit & Input Voltage Detection/Auto Shut Off
No
Timed, Auto-Off After 13 hours
AC 100-240V 50/60Hz
ETL Certified
4.72" x 1.97" x 1.06"

* USB Pass Thru Charging - charger contains separate USB port that allows other devices to be charged (via USB cord) when battery charger is plugged into AC outlet
 ** USB Charging Boost - charger contains USB port to allow other devices to be charged using battery power

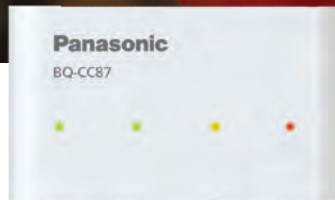
PANASONIC CC55 & CC87 CHARGER ADVANCED FEATURES



The CC55 and CC87 uses advanced "peak sensing technology"⁷ which allows eneloop batteries to be charged very rapidly, in as little as 3 hours (4AA) and 1.5 hours (2AA), without degrading battery performance.

Additionally, the CC55 and CC87 features 4 LED fuel gauge charge indicators which measure the remaining charge of each battery cell. Once the battery has been fully charged, the LED indicator will turn off. This makes it easy for consumers to determine that the battery is ready to use.

NEW PANASONIC CC87 ADVANCED QUICK CHARGER *with Mobile Power Technology*



MOBILE POWER TECHNOLOGY

The Panasonic CC87 features USB DC 5V output, which uses the stored battery power to charge mobile phones, tablets, and other devices. Alkaline batteries can be used in the Mobile Power mode to power other devices. However, Alkaline batteries cannot be charged in the CC87.

BATTERY SENSING TECHNOLOGY

Built-in 'battery sensing' technology will automatically stop the charging process if a non-rechargeable battery is inserted into the unit. The charger will also stop charging if batteries become overheated during the charging process.

4 LED CHARGE INDICATORS

4 individual LED lights indicate the remaining charge of each battery cell; Green 80-100%, Orange 20%-80%, and Red 0%-20%. After a battery reaches the next level of charging, the LED light changes to indicate that cells charge level. Once a battery is completely charged, the corresponding LED turns off.

QUICKLY CHARGE 1-4 BATTERIES

The Panasonic CC87, 4-position Ni-MH rechargeable battery quick charger with Mobile Boost technology, is designed to charge eneloop and eneloop pro battery cells quickly, safely, and efficiently. Four fully drained eneloop AA or AAA batteries can be completely recharged in approximately 4.25 hours; 1-2 AA/AAA in 2.25 hours (eneloop pro 4AA or 4AAA approx. 6 hours, 1-2AA/AAA in 2 hours).*

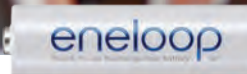


PANASONIC CC87 ADVANCED eneloop INDIVIDUAL BATTERY 4.25 HOUR[®] QUICK CHARGER WITH MOBILE POWER TECHNOLOGY

The Panasonic CC87, 4-position Ni-MH battery charger can quickly, and individually charge any combination of up to four AA or AAA eneloop batteries in just 4.25 hours (1 to 2 AA or AAA batteries can be fully charged in up to 2.25 hours).* Individual charging means you can easily and efficiently charge from 1 to 4 cells with differing levels of remaining charge. A huge time saver! This charger also features Mobile Power technology which allows the user to power other devices via a USB output from stored battery power.

eneloop RECHARGEABLE BATTERIES ARE AN EXCELLENT CHOICE

Billions of disposable batteries enter US landfills every year. eneloop Ni-MH rechargeable batteries are an excellent alternative to conventional alkaline and carbon zinc batteries. They provide sustained power and can be recharged up to 2100 times², which means the purchase of one eneloop battery can keep hundreds of batteries from entering landfills. Once their useable life expires, they can be recycled free of charge at any of the 30,000+ Call2Recycle.org recycling centers near you.



HOLDS 70% CHARGE UP TO
10 YEARS¹

RECHARGE
UP TO
**2100
TIMES²**



LONG STORAGE LIFE

eneloop ready to use rechargeable Ni-MH batteries maintain 70% of their charge for up to 10 years (when not in use and stored properly)¹.

RECHARGE — REUSE

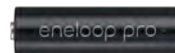
Improvements to the conductive surface layer of the active (positive) electrode material (made primarily from nickel-metal hydride) produce greater conductivity and durability. Limiting the degradation of the conductive layer increases the number of times eneloop batteries can be recharged... up to 2100 times².

PRE-CHARGED WITH SOLAR POWER

eneloop's unique "Clean Energy Loop" initiative is a reality. All eneloop and eneloop pro batteries are pre-charged at the factory in Japan using power generated from solar energy³. This process is certified twice a year by The Green Energy Certification Center.

PERFORMS IN LOW TEMPERATURES

Keep your tactical flashlights, walkie-talkie radios, battery powered lanterns, cameras and other devices powered during the winter season. eneloop and eneloop pro batteries deliver exceptional performance in extreme low temperatures, down to -4 degrees Fahrenheit⁴.



	eneloop	eneloop	eneloop pro	eneloop pro
CAPACITY	up to 2000mAh ¹	up to 800mAh ¹	up to 2550mAh ⁵	up to 950mAh ⁵
CYCLES / RECHARGES	up to 2100 times ²	up to 2100 times ²	up to 500 times ⁴	up to 500 times ⁴
STORAGE LIFE	Holds 70% charge up to 10 years ¹	Holds 70% charge up to 10 years ¹	Holds 85% charge up to one year ⁵	Holds 85% charge up to one year ⁵
CHARGED AT THE FACTORY USING SOLAR POWER	Yes	Yes	Yes	Yes
LOW TEMPERATURE RATING	Down to -4 degrees F ⁴	Down to -4 degrees F ⁴	Down to -4 degrees F ⁴	Down to -4 degrees F ⁴
CHEMISTRY	LSD Ni-MH	LSD Ni-MH	LSD Ni-MH	LSD Ni-MH
RECYCLABLE	Yes	Yes	Yes	Yes
COUNTRY OF ORIGIN	Made in Japan	Made in Japan	Made in Japan	Made in Japan

1) Batteries can be recharged when full, or partially drained. eneloop charge capacity and mAh based on Panasonic internal IEC 61951-2(7.3.2) testing. 2) Recharge cycles based on testing method established by IEC 61951-2(7.5.1.3). Results may vary based on conditions of use. 3) Solar energy charging as certified by The Green Energy Certification Center. eneloop batteries need a charger to be recharged. Panasonic Ni-MH battery chargers are recommended. 4) Recommended storage conditions 68° F. Results may vary based on condition of storage and use. 5) Based on IEC 61951-2(7.3.2). 6) Battery life based on testing method established by IEC 61951-2(7.5.1.3). Results may vary based on conditions of use.

eneloop pro™

eneloop pro high capacity batteries have even more power, delivering up to 2550mAh (AA) and 950mAh (AAA)¹, hold 85% of their power for up to one year¹, and can be recharged up to 500 times².

While these batteries can cost more than conventional alkaline batteries, in as little as 3 or 4 recharges, they begin paying for themselves.

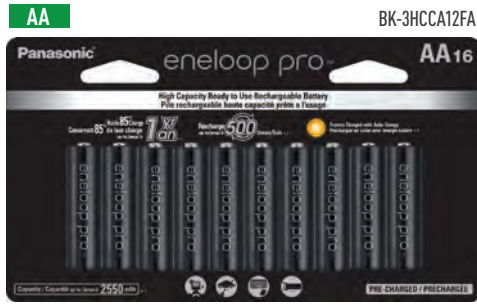


AA + Charger K-KJ17KHCA4A



AAA + Charger K-KJ17K3A4BA





AA + Charger K-KJ55KHC4BA



AAA + Charger K-KJ55K3A4BA



AA + Charger K-KJ75KHC4BA



AAA + Charger K-KJ75K3A4BA



AA, AAA + Charger

K-KJ17KHC82A



eneloop

Ready to use Rechargeable Battery TM

eneloop Ni-MH rechargeable batteries deliver the perfect balance of power, shelf life, and recharge capabilities for hundreds of uses in electronics, outdoor products, and a number of other household devices.

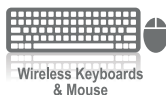
The eneloop batteries provide up to 2000mAh (AA) and 800mAh [AAA] of power¹, maintain 70% of their charge for up to 10 years¹, and can be recharged up to 2100 times².



AA + Charger K-KJ17MCA4BA



AAA + Charger K-KJ17M3A4BA



1) Batteries can be recharged when full, or partially drained, eneloop charge capacity and mAh based on Panasonic internal IEC 61951-2(7.3.2) testing. 2) Recharge cycles based on testing method established by IEC 61951-2(7.5.1.3). Results may vary based on conditions of use.



AA + Charger K-KJ55MCA4BA



AAA + Charger K-KJ55M3A4BA



AA + Charger K-KJ75MCA4BA



AAA + Charger K-KJ75M3A4BA



D Spacers BQ-BS1E4SA



AA + C Spacers K-KJ2MCA2BA



AA + D Spacers K-KJ1MCA2BA



AA, AAA + Charger K-KJ17MCC82A



C Spacers BQ-BS2E4SA



PLATINUM POWER Powered by Evolta Technology¹

**33%
LONGER
LASTING²**

Platinum Power AA and AAA batteries are the latest of Panasonic's advanced battery technology, delivering powerful performance across a wide range of devices. Powered by Evolta technology, they last 33% longer than

Alkaline Plus Power².

They feature Panasonic's latest technologies – Advanced Formula, Triple Tough Coating, Anti-Leak protection and a 10 year shelf life³.

Designed to deliver more power to meet the increasing demands of today's power hungry devices, our AA and AAA Platinum Power batteries are at the forefront of the alkaline battery industry.

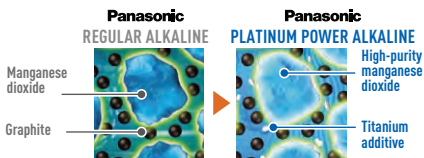


ADVANCED FORMULA AND TECHNOLOGY IMPROVEMENTS

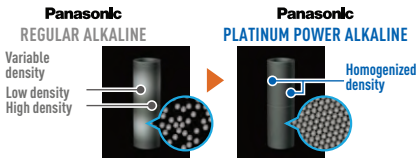
The combination of high-purity manganese dioxide, a unique Titanium additive, and ultra high density cathode filling technology provide longer lasting performance for high drain devices.

Optimized can thickness, uniform density of the active ingredients, and advanced gasket technology allow for the addition of more active ingredients and added structural integrity. In addition to longer lasting power performance, Platinum Power AA and AAA batteries also provide high impact resistance, reducing defective conductivity after accidental dropping.

NEW HIGH PERFORMANCE MATERIALS

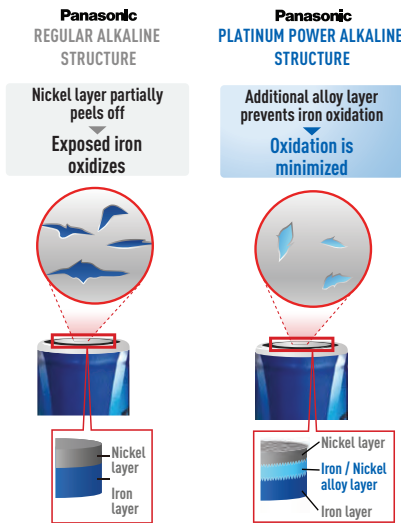


ULTRA HIGH DENSITY FILLING TECHNOLOGY



TRIPLE TOUGH COATING

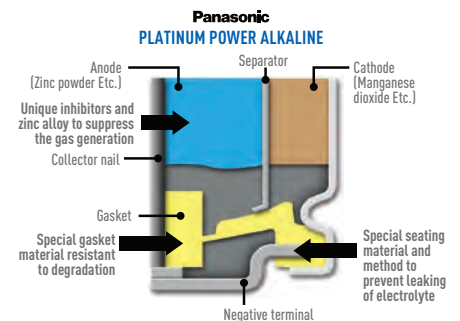
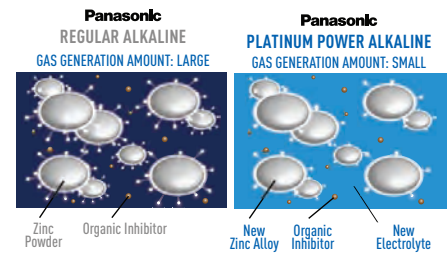
Panasonic Platinum Power AA and AAA batteries utilize a customized iron / nickel alloy layer on the negative terminal. This additional alloy layer creates a triple tough coating which prevents iron oxidation, reduces contact resistance, and improves the battery's ability to stay connected for smooth energy flow.

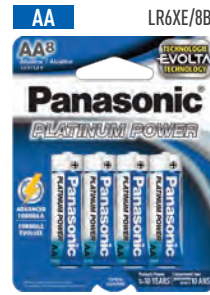


ANTI-LEAK PROTECTION

Leakage in alkaline technology batteries is largely caused by a build-up of hydrogen gas which is generated within the battery when it is over-discharged during use or while being stored. The gas increases pressure in the battery and can lead to leakage.

Panasonic has developed a unique gasket material which has increased resistance to degradation. This new material and the highly specialized sealing method, when combined with the new zinc alloy, electrolytes and organic inhibitors, dramatically reduce gas build-up generated within the cell, and the possibility of electrolyte leakage.





PROTECT
POWER FOR UP TO
10
YEARS¹

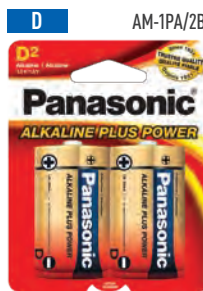
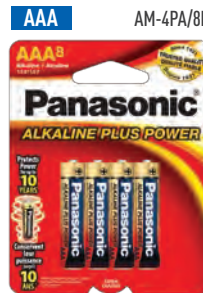
1) AA and AAA only. 2) AA size. Versus our Alkaline Plus Power in IEC Digital Camera test. AAA size. Versus our Alkaline Plus Power in IEC Toy test. 3) Applies to AA and AAA only. When unused and stored properly.



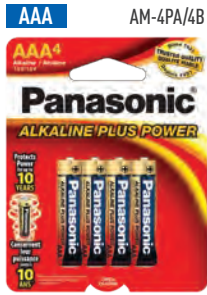
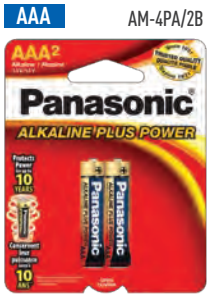
ALKALINE PLUS POWER®

Panasonic Alkaline Plus Power batteries are great for everyday household use. These battery cells are formulated to provide long lasting power for a wide variety of devices, including toys, remote controls and beauty products.

Alkaline Plus Power AA and AAA batteries can be stored up to 10 years¹. New electrolyte and alloy components combined with new production techniques provide improved levels of leak protection. This technology is especially important when batteries are subjected to an over-discharge during use or long periods of storage.

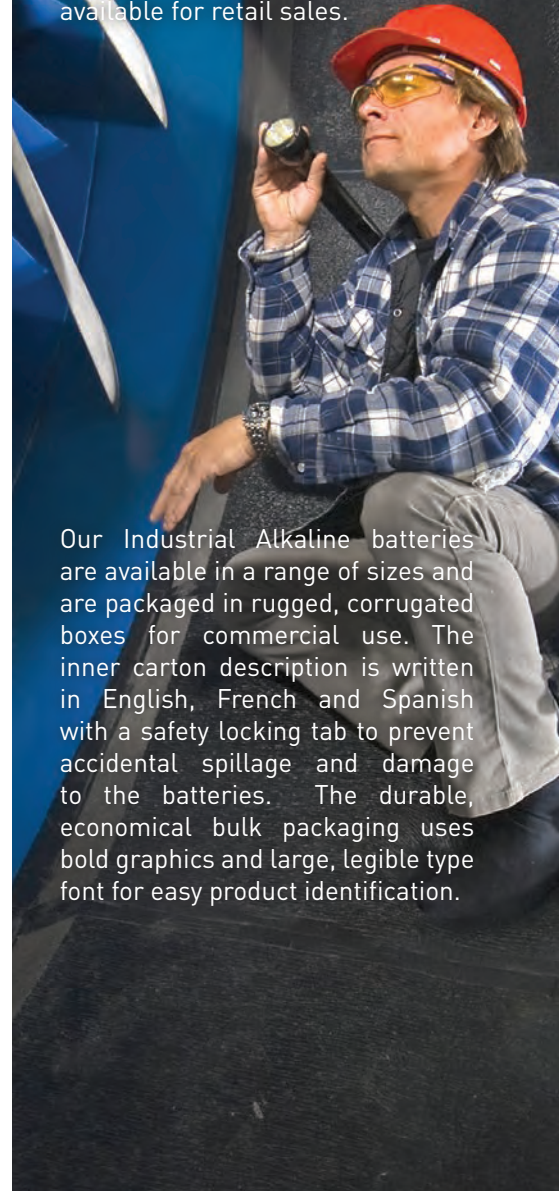


¹ When unused and properly stored. Applies to AA and AAA batteries only.

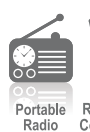


INDUSTRIAL ALKALINE BATTERY

Panasonic Industrial Alkaline batteries are designed for today's heavy current or continuous use applications. Our Industrial Alkaline AA, AAA, C and D batteries protect power for up to 7 years and 9V up to 5 years. These dependable batteries are for end-users in the professional, industrial, and contractor marketplace. Sold exclusively to commercial accounts for use in industrial applications, these alkaline batteries are not available for retail sales.



Our Industrial Alkaline batteries are available in a range of sizes and are packaged in rugged, corrugated boxes for commercial use. The inner carton description is written in English, French and Spanish with a safety locking tab to prevent accidental spillage and damage to the batteries. The durable, economical bulk packaging uses bold graphics and large, legible type font for easy product identification.

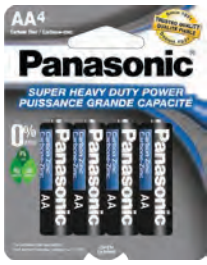


LITHIUM

Panasonic lithium batteries offer exceptional power and performance. A lightweight and durable power source, they perform well in extreme temperatures and have a shelf life of up to 10 years. They are an ideal energy solution for many specialty products such as home security systems, night vision equipment and tactical LED flashlights.



AA UM-3NPA/4B



AA UM-3NPA/8B



AAA UM-4NPA/4B



AAA UM-4NPA/8B



C UM-2NPA/2B



D UM-1NPA/2B



9V S-006PNPA/1B

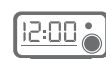


6V W-4FDPA/FD



SUPER HEAVY DUTY POWER

Super Heavy Duty Power, Panasonic carbon zinc batteries, offer great value for use in low drain devices, including alarm clocks and remote controls. Affordable, they come in easy to open packaging and have no lead, mercury or cadmium added.



Alarm Clock



Portable Radio



Remote Controls

We offer MERCHANDISING SOLUTIONS to meet all your needs

Packaging is our forte. Every day we pack hundreds of thousands of Panasonic batteries while ensuring they are delivered to the customer in the best way to support their business model.

All of our cardboard displays are pre-filled to minimize the final assembly labor cost for our customers. Additionally, we even design unique, customer specific racks.

Our comprehensive display portfolio includes clip strips, small mod trays, large

trays, decorative PDQs, cardboard floor displays and permanent metal racks. We have it all – footprint efficient solutions for compact areas, seasonal sales, secondary locations, and permanent fixtures.

Our merchandisers come in many shapes and sizes, but they are all united by a strong design which communicates the trusted Panasonic brand people can rely on. Driving incremental sales has never been easier.



Clip Strip



Mod Tray



Tray



Counter Display



PDQ Tray



Floor Display

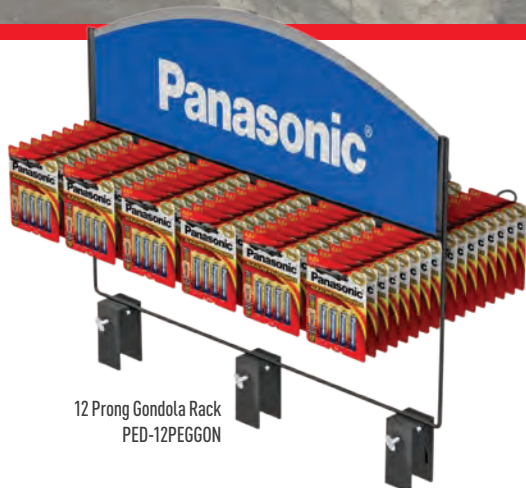


Cubbie Display

Merchandisers for other chemistries are also available.

BENEFITS

- Pre-filled cardboard displays
- Easy set up
- Efficient footprint
- High product visibility
- Easy to shop
- High impact branding
- Perfect for trial sales
- Ideal for incremental sales (secondary locations / holiday opportunities)



12 Prong Gondola Rack
PED-12PEGGON



6 Peg Counter Rack
PED-6CT



32 Peg Floor Stand
PED32FSSC



24 Peg Floor Stand
PED-24PWFSSC

The product assortment is for illustration only.

Panasonic ACCESSORIES

NECK LIGHTS

Our convenient LED neck light is ideal for walks, fishing, and camping. LED light provides high brightness while using a fraction of the power.

- Hands-free design
- 13 lumens LED light
- Up to 15 hours of continuous light
- IPX1 water resistant design
- 45 degree, wide angle beam
- "Quick Lock" design
- Batteries (2 x CR2032) included



BF-AF10B-D/A
(Orange)



BF-AF10B-K/A
(Black)



BF-AF10B-P/A
(Vivid Pink)

PHONE BATTERY

Ideal for your cordless phone, Panasonic DECT batteries are the perfect solution to keep you connected. Panasonic DECT phone batteries are ideal for DECT 6.0 phones and are currently offered in two packs sizes: 2 AAA, 4 AAA and 8 AAA.

- Compatible with DECT phones using AAA Ni-MH battery cells
- Up to 750mAh typical/700mAh minimum



HHR-4DPA/2BA



HHR-4DPA/4BA



HHR-4DPA/8BA

- Battery replacement for Panasonic Series: KXTG1000, KXTG4000, KXTG4100, KXTG4700, KXTG6300, KXTG6400, KXTG6500 (not including model KXTG6500), KXTG6600, KXTG7400, KXTG7500, KXTG7600, KXTG7700, KXTG8000, KXTG8200, KXTG9300, KXTG9400
- Battery replacement for Panasonic Models: KXTG113, KXTG243, KXTG265, KXTG4311*, KXTG4312*, KXTG4313*, KXTG8412, KXTGA101, KXTGA106, KXTGA402, KXTGA410, KXTGA631, KXTGA641, KXTGA642, KXTGA652, KXTGA653, KXTGA659, KXTGA660, KXTGA740, KXTGA750, KXTGA805, KXTGA820, KXTGA840, KXTGA930, KXTGA931, KXTGA936, KX-HN6000W, KX-HN6003W, KX-HN6006SK, KX-HNH100W

BATTERY STORAGE CASES

Panasonic plastic battery storage cases are ideal for conveniently storing 4 AA or 5 AAA batteries. This easy to use design has been engineered by Panasonic in Japan to safely store AA and AAA batteries in a compact enclosure when not in use.

- Convenient, portable design
- Fits perfectly in a purse or briefcase for battery power on the go
- Easy to use, dual thumb tab design makes the case easy to open and close
- Each storage case can store up to 4 AA or 5 AAA battery cells
- Available in 2 and 6 packs



BQ-CASE2SA • BQ-CASE6SA

BATTERY TYPES

There are two main types of batteries – primary (non-rechargeable) and secondary (rechargeable).

Primary batteries are disposable batteries. They have only one life cycle and once they are drained, they can no longer be used. Alkaline, carbon zinc, lithium and zinc air batteries are examples of primary batteries.

Secondary batteries (nickel metal hydride, nickel cadmium, lithium-ion) can be recharged and reused.



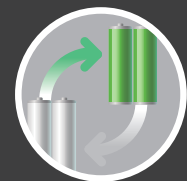
A FEW TIPS FOR BATTERY CARE AND USE:



Always use the same battery type in the device and never attempt to charge primary batteries



Handle batteries with care and do not expose them to excessive heat.



Replace all your batteries in the device at the same time.



Store batteries in a cool, dry and safe place, and away from children and pets.



Protect the environment and recycle your batteries where possible.

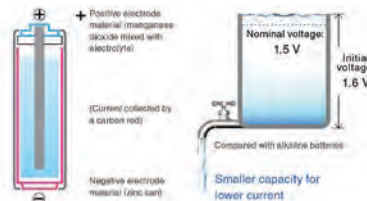
CHOOSING THE RIGHT BATTERY

Use the right battery for the right device for optimum results. Carbon zinc batteries are great for low drain devices such as remote controls, both alkaline and rechargeable batteries work great in mid to high drain devices such as toys and game controllers.

CARBON ZINC BATTERIES

For low-drain devices which require a small current load

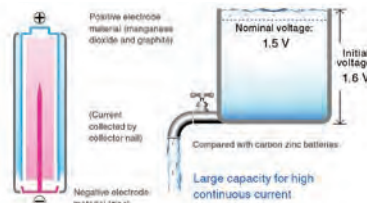
Primary batteries essentially consist of three materials: metal, metal oxide, and electrolyte. Carbon zinc batteries use manganese dioxide for the positive electrode, zinc chloride and ammonium chloride for the electrolyte, and zinc for the negative electrode.



ALKALINE BATTERIES

For mid-high drain devices which use high continuous current

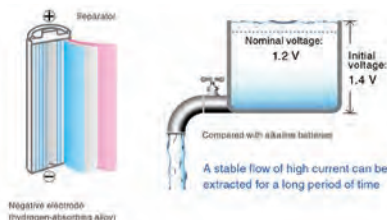
Alkaline batteries are designed to produce a larger current than carbon zinc batteries. The electrolyte contains potassium hydroxide, an alkaline-aqueous solution which enables a high current flow.



NI-MH RECHARGEABLE BATTERIES

For mid-high drain devices

Nickel-metal hydride batteries allow a stable flow of high current to be extracted, yet they can also be recharged and reused. They use nickel hydroxide for the positive electrode, and a hydrogen-absorbing alloy which soaks up and releases hydrogen at high levels of density for the negative electrode.





Find us online.

PanasonicBatteryProducts.com



call@recycle

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